

SECTION 905 -- PROPOSAL (CONTINUED)

I (We) further propose to execute the attached contract agreement (Section 902) as soon as the work is awarded to me (us), and to begin and complete the work within the time limit(s) provided for in the Specifications and Advertisement. I (We) also propose to execute the attached contract bond (Section 903) in an amount not less than one hundred (100) percent of the total of my (our) part, but also to guarantee the excellence of both workmanship and materials until the work is finally accepted.

I (We) enclose a certified check, cashier's check or bid bond for **five percent (5%) of total bid** and hereby agree that in case of my (our) failure to execute the contract and furnish bond within Ten (10) days after notice of award, the amount of this check (bid bond) will be forfeited to the State of Mississippi as liquidated damages arising out of my (our) failure to execute the contract as proposed. It is understood that in case I am (we are) not awarded the work, the check will be returned as provided in the Specifications.

Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following addendum (addenda):

ADDENDUM NO. <u>1</u>	DATED <u>3/13/15</u>	ADDENDUM NO. <u>3</u>	DATED <u>3/20/15</u>
ADDENDUM NO. <u>2</u>	DATED <u>3/20/15</u>	ADDENDUM NO. <u>4</u>	DATED <u>3/20/15</u>
ADDENDUM NO. <u>5</u>	DATED <u>3/25/15</u>	ADDENDUM NO. <u>6</u>	DATED <u>3/27/15</u>

Number	Description
1	Replaced pages 81-91 with same; Added pages 91a-91d.
2	Replaced page 103 with same.
3	Replaced page 24 with same; Added page 109a; Replaced pages 568-569 with same.
4	Replaced page 44 with same; Replaced page 150 with same; Replaced pages 152-153 with same; Replaced pages 563-564 with same.
5	Replaced pages 11-12 with same; Replaced page 377 with same; Replaced page 381 with same.
6	Replaced page 15 with same; Replaced page 24 with same; Replaced pages 68-69 with same; Replaced page 92 with same; Replaced page 100 with same; Replaced page 108 with same; Added page 109b; Replaced page 132 with same; Replaced page 134 with same; Replaced page 150 with same; Replaced page 152 of same; Replaced pages 551-553 with same; Replaced page 562 with same; Added pages 564a and 593a.

TOTAL ADDENDA: 6
(Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE _____

Contractor

BY _____
Signature

TITLE _____

ADDRESS _____

(To be filled in if a corporation)

Our corporation is chartered under the Laws of the State of _____ and the names, titles and business addresses of the executives are as follows:

President

Address

Secretary

Address

Treasurer

Address

The following is my (our) itemized proposal.

Revised 09/03/2004

Volume 2 – Contract Price Proposal (Marked and Sealed per Special Provision 907-102-1 DB)

This Volume 2 - Contract Price Proposal shall contain the following information:

1. All pages of Section 905 including acknowledgment of addenda and bid sheets completed and signed.
2. A certified check, cashier's check, or Proposer's bid bond payable to the State of Mississippi in the principal amount of five percent (5%) of the bid that includes the Project Number, executed by the Proposer and signed or countersigned by a qualified Mississippi agent or qualified nonresident agent for the Surety with Power of Attorney attached.
3. An executed Equal Opportunity Clause Certification as indicated in Section 905.
4. A signed list of all firms submitting quotes (OCR-485) as indicated in Section 905.
5. The Certification regarding Non-Collusion, Debarment and Suspension, executed in duplicate as indicated in Section 905.

6. Notice to Proposers No. 4566 DB: DUNS Requirement for Federal Funded Projects.

~~6-7.~~ A completed Schedule of Values detailing the quantities (using standard MDOT pay items), unit prices, and extensions summing to the total value of the contract price.

Please note that the Volume 2 – Contract Price Proposal must be signed and information provided as specified in Special Provision subsection 907-102.06.

Additional Proposal Submittal Instructions

All information obtained under this RFP shall become the exclusive property of the Commission without restriction or limitation on its use. The Commission shall have unrestricted authority to publish, disclose, distribute, or otherwise use in whole or in part any reports, data, or other materials prepared under this RFP. The Commission shall retain ownership of all plans, specifications, and related documents.

The Proposer should also include with their submittal of the Volume 2 - Contract Price Proposal a request for payment of the stipend should they not be awarded the Best-Value Proposal.

All Volume 1 – Technical Proposals and Volume 2 – Contract Price Proposals **must** be received by the date and time specified in Section X, Milestone Schedule. All Proposals, as detailed below, must be submitted to the following:

Mr. Billy Owen, P.E.
Contract Administration Engineer
Mississippi Department of Transportation
401 North West Street
P.O. Box 1850

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO PROPOSERS NO. 5300 DB

CODE: (SP)

DATE: 032/2718/2015

SUBJECT: Lane Closure Restrictions

PROJECT: DB/IM-0055-02(244) / 106023305 -- Hinds County

Proposers are hereby advised of the following lane closure restrictions for the project:

Interstate

1. Lane closures will not be allowed anytime during head to head phasing (traffic separated by a single line of median barrier), unless specifically ordered by the Engineer.
2. While traffic is in a four-lane configuration, and not head to head, lane closures will not be allowed Monday through Thursday between the hours of 6:00 AM and 7:00 PM, and on Friday between the hours of 6:00 AM and 8:00 PM.
3. When traffic is open to six lanes, a single lane closure will be allowed Monday through Friday except between the hours of 6:00 AM to 9:00 AM and from 4:00 PM to 7:00 PM.
4. When traffic is open to six lanes, a two lane closure will be allowed Monday through Thursday except between the hours of 6:00 AM and 7:00 PM, and on Friday except between the hours of 6:00 AM and 8:00 PM.
5. The maximum length of lane closure shall not exceed 3 miles. Multiple lane closures in the same lane shall be at least 1 mile apart.
6. The Contractor shall schedule their work, so that the maximum time a ramp/exit is closed is thirty (30) days.

Frontage Roads

1. Lane closures will not be allowed Monday through Friday between the hours of 6:00 AM and 9:00 AM and from 4:00 PM to 7:00 PM.
2. While traffic is in head to head phasing on the interstate, lane closures will be allowed on the frontage road anytime other than listed above; however, if an accident occurs on the interstate the Engineer will have the authority to order the Contractor to remove the lane closure to help handle the traffic.
3. The maximum length of lane closure shall not exceed 1 mile. Multiple lane closures in the same lane shall be at least 1 mile apart.
- ~~3-4.~~ A full closure of the frontage road will be allowed at locations where it is necessary to install cross-drains. For this work, the frontage road may be closed between the hours of 6:00 PM on Saturday and 6:00 AM on Monday.

No exceptions to the above requirements will be allowed, unless specifically allowed by the Engineer. Also, no lane closures will be permitted on the following holidays or the day preceding them: New Year's Day, Easter, Independence Day, Labor Day, Thanksgiving Day or Christmas Day. In the event that one of the previously mentioned holidays falls during the weekend or on a Monday, no lane closures will allowed during that weekend of the Friday immediately preceding that holiday. If any of the lane closure restrictions listed above is violated, no excuses will accepted by the Department and the Contractor will be charged a fee of \$2,500.00 for each full or partial five minute period until the roadway is back in compliance with the lane closure restrictions listed above.

For the purposes of this contract, official time shall be the announced time available at the Jackson area telephone number (601) 355-9311.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO PROPOSERS NO. 5313 DB

CODE: (SP)

DATE: 032/2710/2015

SUBJECT: Failed Soil Cement Sections

PROJECT: DB/IM-0055-02(244) / 106023305 -- Hinds County

Proposers are hereby advised of the following information regarding previously placed soil cement treated sections that did not meet MDOT requirements.

The following previously placed soil cement treatment sections did not meet the density requirements of the Standard Specifications.

- Station 730+12 to Station 742+00 in the Right Lane from 12 feet right of centerline to the outside shoulder
- Station 742+00 to Station 754+00 in the Right Lane from 12 feet right of centerline to the outside shoulder

The soil was originally mixed as one 12-inch layer of Class 9, Group C, Granular material.

Acceptable treatment of the above mentioned soil cement sections shall be resolved by one of the following procedures:

1. Remove and replace the full soil cement lift with a new 12-inch layer of cement treated Class 9, Group C, Granular material in one or two lifts.

2. Remix the full soil cement lift, fully pulverizing the material. Once pulverized, the in-place material shall be remixed with a sufficient amount of cement and water to meet the design requirements of Mississippi Test Method MT-25 for a base material.

- ~~2.3.~~ Remove a sufficient thickness of the top of the existing soil cement lift and replace with ST 19 mm asphalt mixture. Removal of the soil cement shall be by cold milling to achieve a smooth surface suitable for construction of the asphalt pavement. The minimum allowable thickness of the ST 19 mm asphalt shall be determined by the thickness required to produce a minimum Structural Number (SN) of 1.20. 0.44 shall be used as the Layer Coefficient for the asphalt mixture.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO PROPOSERS NO. 5414 DB

CODE: (SP)

DATE: 0~~32~~/27/2015

SUBJECT: Opening of Existing Ramps/Exits

PROJECT: DB/IM-0055-02(244) / 106023305 – Hinds County

Proposers are hereby advised that the Department desires to expedite the opening of the exits/ramps that are currently closed within the project limits. This includes the exit ramp to State Street from I-55 North. The proposer shall indicate via construction phasing sheets and traffic control sheets their plan and proposed time frame for accomplishing this work. This work shall be considered a priority for the proposer. If this work is not being given full attention to the satisfaction of the Engineer, all other work on the project will be stopped.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 – NOTICE TO PROPOSERS NO. 5420 DB

CODE: (SP)

DATE: 03/25/2015

SUBJECT: Sheet Piles

PROJECT: DB/IM-0055-02(244) / 106023305000 – Hinds County

Proposers are hereby advised that all existing sheet piling in place shall be removed when the permanent structure is completed in place. The removed sheet piling will become the property of the Contractor. In addition, any sheet piling used by the Contractor for the construction of this project shall be removed.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO PROPOSERS NO. 5423 DB

CODE: (SP)

DATE: 03/24/2015

SUBJECT: Maintenance of Traffic & Erosion Control

PROJECT: DB/IM-0055-02(244) / 106023305 – Hinds County

Proposers are hereby advised that the Contractor shall assume responsibility for maintenance of traffic, including Service Patrol requirements, and maintenance of erosion control on the date of Notice to Proceed.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-101-1 DB

CODE: (SP)

DATE: 032/2740/2015

SUBJECT: Definitions and Terms

Section 101, Definitions and Terms, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

907-101.01--Abbreviations. Add the following to the list of abbreviations in Subsection 101.01 starting on page 1:

BV	Best Value
CPM	Critical Path Method
MCIA	Mississippi Concrete Industries Association
PPS	Project Payment Schedule
QA	Quality Assurance
QC	Quality Control
RCSR	Review Comment Summary and Resolution
RFC	Release for Construction
RFI	Request for Information
RFQ	Request for Qualifications
RFR	Request for Revision
SOQ	Statement of Qualifications
SOV	Statement of Values
VE	Value Engineering

907-101.02--Definitions. Add the following, or amend the following, to the list of definitions in Subsection 101.02 starting on page 3:

Best Value Proposal -- means the Proposal provided by a Proposer that the Commission determines is (a) responsive to the RFP and (b) presents the best value for the Commission and MDOT as determined by the **Criteria for Scoring** of the RFP.

Bid -- Bid is understood to mean Proposal throughout all documents.

Bidder -- Bidder is understood to mean Proposer throughout all documents.

Daily Diaries -- Daily reports, generated by MDOT required for reporting on weather, manpower, equipment, material deliveries, work activities, progress, problems, and whatever else is required by the Contract.

Contract -- The written agreement between MDOT and the Contractor setting forth the obligations of the parties thereunder, including but not limited to, the performance of the Work,

| **Project Payment Schedule** -- See Subsection 907-10~~9.06.18-03-1.4.1~~ of the Special Provisions.

Project Scope - All responsibilities and tasks included in the RFP necessary to complete the Project and satisfy all requirements in the Contract including all associated work developed from the design, minor MDOT revisions, changed conditions, and contingencies that may be necessary for the Contractor to complete the Work not mentioned or included in the RFP.

Proposal -- The offer of a Proposer, on the prescribed form, to perform the Work at the price and time quoted.

Proposal Date -- Is the date designated in the RFP for submission of the Volume 1 –Technical Proposal and/or Volume 2 – Contract Price Proposal to MDOT.

Proposal Form -- The approved form on which the Department requires Proposals to be prepared and submitted for the Work.

Proposal Guaranty -- A certified check, cashier's check, or Proposal bond furnished with the Proposal to guarantee that the Proposer will enter into a Contract for the Work and furnish acceptable bond if the Contractor's Proposal is accepted.

Proposer -- Includes a firm or firms, consortia, partnerships, joint ventures and other legal entity, which has been requested by the Mississippi Department of Transportation to submit a Proposal.

Review Comment Summary and Resolution (RCSR) -- A written instrument to facilitate the disposition of reviewer comments of Contractor submittals.

Release for Construction -- The written act of MDOT advising the Contractor it is allowed to proceed with construction, installation, manufacture or procurement according to the documents so released by MDOT, provided, however, Contractor shall nonetheless meet all requirements of this Contract.

Request for Information (RFI) -- An RFI or information request is submitted by the Contractor to MDOT or duly appointed representative when information is needed concerning the Work. RFIs are answered by the appropriate party and returned to the Contractor with a response.

Request for Revision (RFR) -- A written instrument for the Contractor to request a change to the Project scope identified in the RFP or the design developed during each Phase of the Project by the Contractor.

Resident or Project Engineer -- The Engineer assigned by the Chief Engineer and bonded to the State to have the responsibility and authority for on-the-job administration.

Site -- Shall mean any area within the Right-of-Way of the project limits and additional areas that may be designated in the Contract.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-107-13 DB

CODE: (SP)

DATE: ~~06/25/2014~~03/27/18/2015

SUBJECT: **Legal Relations and Responsibility to Public**

Section 107, Legal Relations and Responsibility to Public, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-107.02--Permits, Licenses and Taxes. Delete in toto Subsection 107.02 on page 49 and substitute the following.

The Contractor or any Subcontractor shall have the duty to determine any and all permits and licenses required and to procure all permits and licenses, pay all charges, fees and taxes and issue all notices necessary and incidental to the due and lawful prosecution of the work. At any time during the life of this contract, the Department may audit the Contractor's or Subcontractor's compliance with the requirements of this section.

The Contractor or any Subcontractor is advised that the "Mississippi Special Fuel Tax Law", Section 27-55-501, et seq. and the Mississippi Use Tax Law, Section 27-67-1, et seq., and their requirements and penalties, apply to any contract or subcontract for construction, reconstruction, maintenance or repairs, for contracts or subcontracts entered into with the State of Mississippi, any political subdivision of the State of Mississippi, or any Department, Agency, Institute of the State of Mississippi or any political subdivision thereof.

The Contractor or any Subcontractor will be subject to one or more audits by the Department during the life of this contract to make certain that all applicable fuel taxes, as outlined in Section 27-55-501, et seq., and any sales and/or use taxes, as outlined in Section 27-67-1, et seq. are being paid in compliance with the law. The Department will notify the Mississippi State Tax Commission of the names and addresses of any Contractors or Subcontractors.

907-107.14--Damage Claims and Insurance.

907-107.14.2--Liability Insurance. Delete Subsection 107.14.2 beginning on page 60 and substitute the following.

907-107.14.2.1--General. The Contractor shall carry Contractor's liability, including subcontractors and contractual, with limits not less than: \$500,000 each occurrence; \$1,000,000 aggregate; automobile liability - \$500,000 combined single limit - each accident; Workers' Compensation and Employers' Liability - Statutory & \$100,000 each accident; \$100,000 each employee; \$500,000 policy limit. Each policy shall be signed or countersigned by a Mississippi Agent or Qualified Nonresident Agent of the Insurance Company.

Coverage shall include:

- (1) death of or bodily injury to passengers of the railroad and employees of the railroad not covered by State workmen's compensation laws,
 - (2) personal property owned by or in the care, custody or control of the railroads,
 - (3) the Contractor, or any of the Contractor's agents or employees who suffer bodily injury or death as a result of acts of the railroad or its agents, regardless of the negligence of the railroads, and
 - (4) negligence of only the following classes of railroad employees:
 - (i) any supervisory employee of the railroad at the job site
 - (ii) any employee of the railroad while operating, attached to, or engaged on, work trains or other railroad equipment at the job site which are assigned exclusively to the Contractor, or
 - (iii) any employee of the railroad not within (i) or (ii) above who is specifically loaned or assigned to the work of the Contractor for prevention of accidents or protection of property, the cost of whose services is borne specifically by the Contractor or Governmental authority.
- (b) **Contractor's Liability - Railroad**, including subcontractors, XCU and railroad contractual with limits of \$1,000,000 each occurrence; \$2,000,000 aggregate. **Automobile** with limits of \$1,000,000 combined single limit any one accident; **Workers' Compensation and Employer's Liability** - statutory and \$100,000 each accident; \$100,000 each employee; \$500,000 policy limit. **Excess/Umbrella Liability** \$5,000,000 each occurrence; \$5,000,000 aggregate. All coverage to be issued in the name of the Contractor shall be so written as to furnish protection to the Contractor respecting the Contractor's operations in performing work covered by the contract. Coverage shall include protection from damages arising out of bodily injury or death and damage or destruction of property which may be suffered by persons other than the Contractor's own employees.

In addition, the Contractor shall provide for and on behalf of each subcontractor by means of a separate and individual liability and property damage policy to cover like liability imposed upon the subcontractor as a result of the subcontractor's operations in the same amounts as contained above; or, in the alternative each subcontractor shall provide same.

907-107.14.2.3-- Professional Liability. All professional engineers on the Contractor's team shall be covered for professional liability insurance including errors and omissions with limits of \$3,000,000 for each claim, and \$5,000,000 aggregate limit for all claims. Evidence from the Contractor of professional liability insurance for any professional engineering firm performing services for the Contractor is acceptable as long as MDOT is listed as a certificate holder named an additional insured.

10.2.3 Laboratory Testing

The Contractor shall perform laboratory soils tests of sufficient numbers and type to classify and ascertain the shear strength, conditions of stability, and consolidation characteristics of the materials encountered.

10.2.4 Geotechnical Report

The Contractor shall prepare a preliminary and final geotechnical report for all retaining walls and any other structures constructed for this Project, including the Initial Phase and any subsequent Phase. The preliminary geotechnical report shall provide the preliminary recommendations for the design of the selected structure foundations, reproductions of the field boring logs and a generalized soil profile along the alignment. The final geotechnical report shall summarize subsurface soils, foundation design recommendations including design earth and water pressures for retaining walls, laboratory testing results; provide a reproduction of the field boring logs and a generalized soil profile containing the location of all soil borings. In addition, the report shall indicate any special treatments of subgrades to be performed before paving. Each report shall be submitted to MDOT along with the final or preliminary plan submittal. The review of the report will be performed in accordance with the structure submittal plan review process. In addition, after construction of the foundations is complete, the Contractor shall provide a supplement to the report containing the actual field conditions encountered and as-built foundation data and information.

10.3 Geotechnical Design Criteria

10.3.1 Retaining Wall Foundations

Geotechnical design of retaining walls shall be performed in accordance with the latest edition of the AASHTO LRFD Bridge Design Specifications. Retaining walls shall be designed for at-rest earth pressure loads, at a minimum. Additional horizontal loads due to the presence of high volume change soils, sloping backfill, etc. shall be included if applicable. Deep foundations used for support of retaining walls shall be designed for axial compression, dragdown, uplift due to expansive soils, and lateral loading. The upper two feet of soil below the base of the retaining wall shall not be considered in the calculation of passive resistance for the determination of safety factors against overturning or sliding.

All retaining walls shall be designed for global stability in addition to internal stability.

10.3.2 Temporary Slopes

All temporary slopes shall be designed for stability. Slope stability analyses of all temporary slopes shall be completed by the Contractor. Temporary slopes shall be designed for a minimum factor of safety of 1.20.

10.3.3 Allowable Wall Deflection

The selection of a value for allowable wall deflection should be based upon the chosen wall type and also on the long-term performance of the wall and adjacent structures (pavements, utilities, buildings, and other structures). This deflection value should be determined by the wall designer.

10.4 Deep Foundation Verification

10.4.1 Driven Piles for Support of Retaining Walls

The Contractor shall monitor at least one pile at each retaining wall location with the PDA. The PDA piles may be production piles. PDA testing requires signal matching and determination of nominal resistance shall be made from a restrike. The first pile driven for each structure shall be the verification pile. The Contractor shall submit the pile verification results including driving criteria and pile lengths within two (2) days after the completed driving of the verification test pile.

Pile driving criteria shall include calculations showing that the driving stresses will not exceed the allowable stresses. Driving criteria shall include the maximum stroke of the hammer and the pile cushion material.

10.4.2 Drilled Shafts for Support of Retaining Walls

The Contractor shall prepare inspection logs documenting each shaft construction activity, including casing installation, excavation, shaft bottom inspection, reinforcement installation and concrete placement. The logs shall fully document the work performed with frequent reference to date, time and casing/excavation elevation. In addition, the Contractor shall prepare and submit the logs documenting any subsurface investigation borings or rock core holes performed for the Contract at drilled shaft foundation locations.

Records for temporary or permanent casing shall include at least the following information: diameter and wall thickness of the casing; dimensions of any casing reinforcement; top and bottom elevations for the casing; method and equipment used for casing installation; any problems encountered during casing installation; and the name of the inspector.

The shaft excavation log shall contain at least the following information: identification number, location, and surface elevation of the shaft; description and approximate top and bottom elevation of each soil or rock material encountered; seepage or groundwater conditions; type and dimensions of tools and equipment used, and any changes to the tools and equipment; type of slurry used, if any, and the results of the slurry tests; any problems encountered; elevation of any changes in the shaft diameter; and the name of the inspector and any changes in the inspector.

Concrete placement records shall include at least the following information: concrete mix used; time of start and end of concrete placement; volume and start/end time for each truck load laced; concrete test results; concrete surface elevation and corresponding tremie tip elevation periodically during concrete placement; concrete yield curve (volume versus concrete elevation, actual and theoretical); and the name of the inspector.

A full set of shaft inspection logs for an individual drilled shaft shall be submitted within 2 days of the completion of concrete placement at the shaft.

10.5 Deliverables

At a minimum, the Contractor shall submit the following to MDOT for review and comment:

Deliverable	Review and Comment	Schedule	Reference Section
Geotechnical Planning Report	✓	Thirty (30) days after NTP1	10.1
Preliminary Geotechnical Report	✓	Submit during Preliminary Design Phase	10.2.4
Final Geotechnical Report	✓	Submit with Final Design Documents	10.2.4
Supplement to Final Geotechnical Report – As-Built Foundation Data and Information	✓	Within One (1) Week of Completion of Foundation Element	10.2.4
Deep Foundation Verification – For PDA Test Piles Only	✓	Two (2) days after completion of the PDA verification pile	10.4.1

18.75" Structure Thickness
6.00" Chemically Treated Subgrade

* To be placed after opening to 6-lane traffic.

The limits of the OGFC shall be as shown on the Working Sheet RS-5 attached at the end of Section 13.

13.5 Interchange Ramp, Loop and Frontage Road Pavement Designs

Newly constructed sections of interchange ramps and loops shall have the same pavement design of the adjacent mainline section, except for the 1" OFGC, which will be omitted from the ramps.

Mill and Overlay of existing ramps and loops

2.00" Cold Milling
1.50" Asphalt Pavement, SMA (9.5 mm Mix) (1@1.5)
2.00" Asphalt Pavement, SMA (12.5 mm Mix) (1@2)

The existing vertical and horizontal alignments of the frontage roads may remain unchanged. The portions of the frontage roads that are not reconstructed shall be milled 1.5," and a 1.5" overlay consisting of HT asphalt pavement (9.5-mm Mix) is required. Full depth replacement of failed areas is required.

Reconstructed West Frontage Road (Station 775+00 to Station 788+00)

1.50" Asphalt Pavement, HT (9.5 mm Mix) (1@1.5)
2.00" Asphalt Pavement, HT (12.5 mm Mix) (1@2)
2.50" Asphalt Pavement, ST (19 mm Mix) (1@2.5)
3.00" Asphalt Pavement, ST (19 mm Mix) (1 @3)
6.00" Crushed Limestone (3/4" & down) Base w/ Geotextile Stabilization, Type V, non-woven
15.00" Structure Thickness

13.6 Crushed Limestone Base

Some areas may require the use of Crushed Limestone base in lieu of chemically treated granular material. This substitution will only be allowed in areas such as temporary connections to interchange ramps for traffic control phasing. In those areas a 9.00" Crushed Limestone base is required to replace the 6" chemically treated granular material. Use of the Crushed Limestone base will not be allowed if proper drainage of the subgrade is not provided.

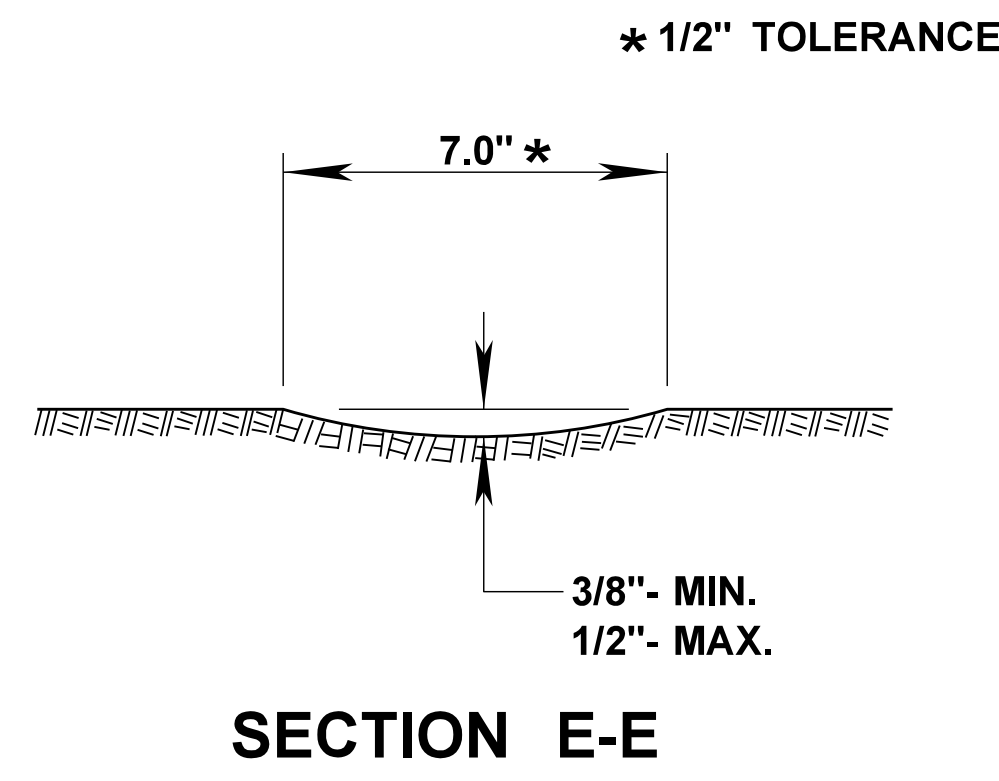
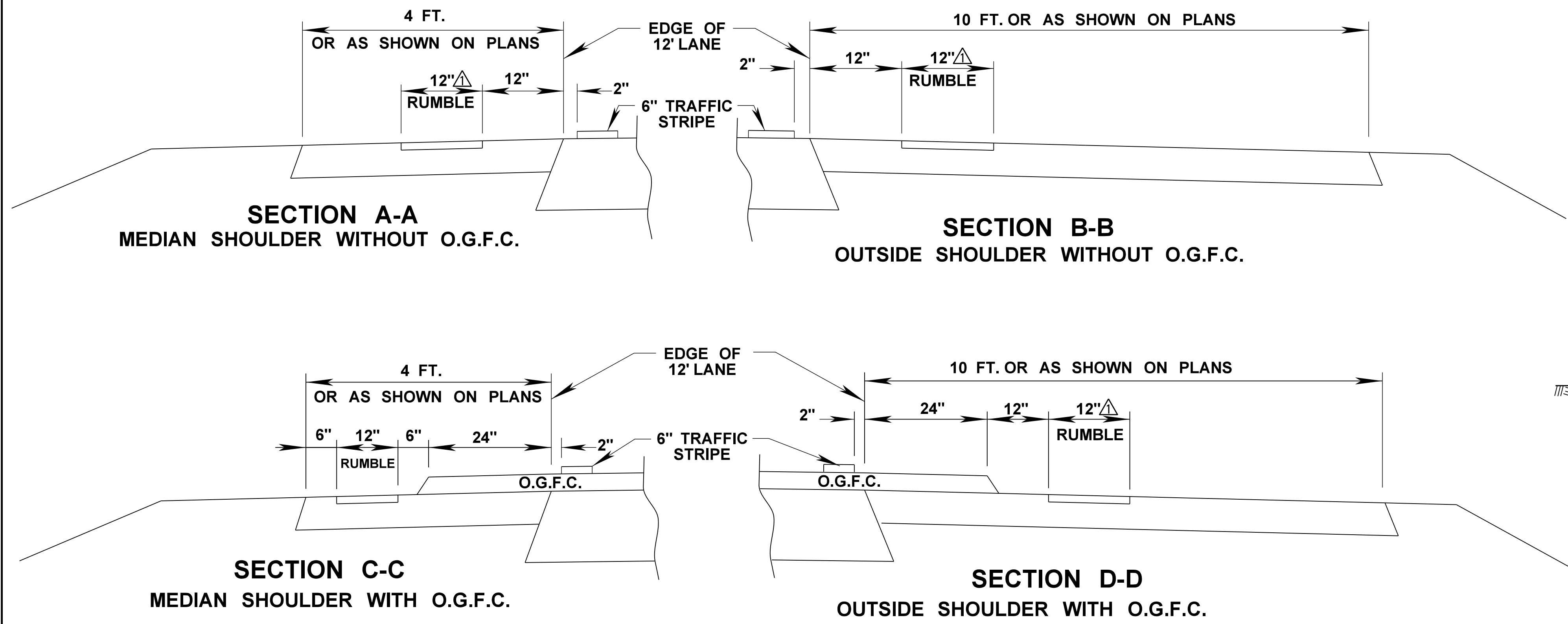
13.7 Roadway Safety

All roadway guardrail and roadside barriers shall be designed according to design speed ~~using current MDOT standards~~ and shall meet requirements for NCHRP 350 TL-3 and LRFD design. All permanent concrete barriers shall be cast-in-place.

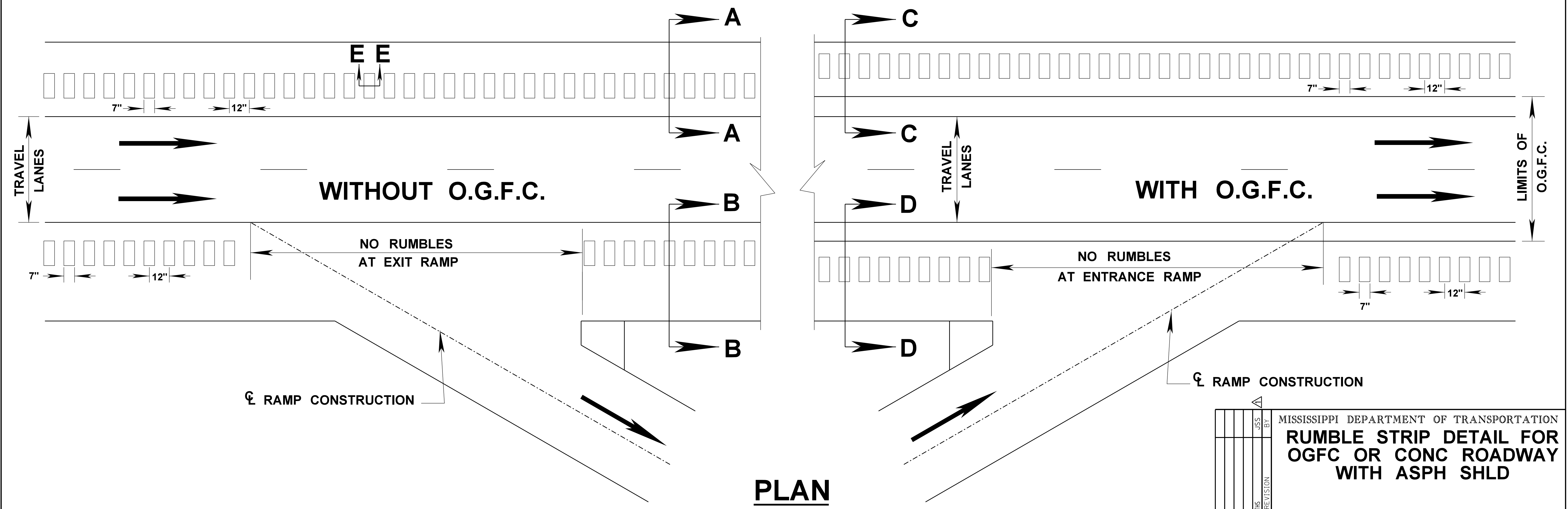
Concrete median barrier shall be a minimum of 42 inches tall, a minimum of 28 inches wide at the top, and have a face in the shape of the MDOT standard 42-inch tall concrete barrier. Any concrete median barrier formed in a single pull shall provide pull boxes for conduit at every light pole.

All roadway pavement sections on the Project shall incorporate rumble strips along the inside and outside shoulders.

Bridge piers shall be protected with LRFD concrete barriers.



- GENERAL NOTES**
1. GROUND-IN RUMBLE STRIPS SHALL BE APPLIED ON LEFT AND RIGHT SHOULDERS OF ALL PAVED SHOULDERS ON THIS PROJECT
 2. GROUND-IN RUMBLE STRIPS SHALL BE OMITTED ACROSS PRINCIPAL INTERSECTING ROADWAYS OR OTHER INTERRUPTIONS IN NORMAL SHOULDER WIDTH AS DIRECTED BY THE ENGINEER
 3. COST TO BE PAID FOR IN PAY ITEM 907-423-A RUMBLE STRIPS (GROUND-IN).
 4. GROUND-IN RUMBLE STRIPS SHALL BE APPLIED TO MAINLINE ONLY.



PLAN

JSS		BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
REVISED WIDTHS		REVISION		RUMBLE STRIP DETAIL FOR OGFC OR CONC ROADWAY WITH ASPH SHLD	
01/18/13		DATE		PROJECT NO. : COUNTY:	
DESIGN TEAM		CHECKED		DATE 05/01/14	
WORKING NUMBER		RS-5		SHEET NUMBER	

FILENAME: RumbleStripOGFC.dgn

Insert Contractor's Schedule of Values